SL Series

Programmable DC Power Supply

인증



전력	전압	전류	모델	크기
1.5 kW to **10** kW	**5** Vdc to **1500** Vdc	**1.5** Adc to **250** Adc	**127**	**1**U

1 설명

The SL Series builds on nearly 40 years of power supply innovation at Magna-Power, designed from the ground up to meet the highly reliable power dense demands of ATE system integrators through Magna-Power's signature current-fed power processing topology. Utilizing state-of-the-art semiconductors and innovative internally designed and manufactured heat sinks, the SL Series offers industry-leading 1U (1.75” height) programmable power levels with models at 1.5 kW, 2.6 kW, 4 kW, 6 kW, 8 kW, and 10 kW while still maintaining an ambient operating temperature rating up to 50°C.

2 가능한 통합 옵션

+HS	High Slew Rate Output
+GPIB	IEEE-488 GPIB
+LXI	LXI TCP/IP Ethernet
+RUG	Ruggedized

3 명세서

사양은 예고 없이 변경될 수 있습니다. 별도의 명시가 없는 한, 모든 사양은 제품의 최대 정격에서 측정되었습니다.

3.1 AC Input Specifications

매개변수	값	조건
1Φ AC Input Voltage	100-240 Vac (UI: Universal input; 1.5 kW Models) 208-240 Vac (UI2: Universal input 2; 2.6 kW Models)	1Φ, 2-wire + ground
3Φ AC Input Voltage	208 Vac (operating range 187 to 229 Vac) 240 Vac (operating range 216 to 264 Vac) 380 Vac (operating range 342 to 440 Vac) 415 Vac (operating range 373 to 456 Vac) 440 Vac (operating range 396 to 484 Vac) 480 Vac (operating range 432 to 528 Vac)	3Φ, 3-wire + ground
Input Frequency	50 Hz to 400 Hz	
Power Factor	0.99 at maximum power for models with 1Φ AC input; Active-PFC > 0.82 at maximum power for models with 3Φ AC input	
AC Input Isolation	±2500 Vdc, maximum input voltage to ground	

3.2 DC Output Specifications

매개변수	값	조건
Voltage Ripple	Model specific. Refer to chart of available models.	
Line Regulation	Voltage mode: ± 0.004% of full scale Current mode: ± 0.02% of full scale	
Load Regulation	Voltage mode: ± 0.01% of full scale Current mode: ± 0.04% of full scale	
Stability	± 0.10% for 8 hrs. after 30 min. warm-up	
Efficiency	84% to 95% Model specific. Refer to chart of available models.	
Maximum Slew Rate	< 170 ms for a programmed output voltage change from 0 to 63% < 200 ms for a programmed output current change from 0 to 63%	Standard Models
Maximum Slew Rate	< 5 ms for a programmed output voltage change from 0 to 63% < 10 ms for a programmed output current change from 0 to 63%	Models with High Slew Rate Output (+HS) Option
Bandwidth	3 Hz with remote analog voltage programming 2 Hz with remote analog current programming	Standard Models
Bandwidth	60 Hz with remote analog voltage programming 45 Hz with remote analog current programming	Models with High Slew Rate Output (+HS) Option
DC Output Isolation	±1500 Vdc, maximum output voltage to ground	

3.3 Programming Interface Specifications

매개변수	값	조건
Front Panel Programming	Stepless aluminum rotary knobs and keypad	
Computer Interface	RS232, D-sub DB-9, female (Standard) LXI TCP/IP Ethernet RJ45 (Option +LXI) IEEE-488 GPIB (Option +GPIB)	

3.3 Programming Interface Specifications

매개변수	값	조건
External User I/O Port	37-pin D-sub DB-37, female Referenced to Earth ground; isolated from power supply output See User Manual for pin layout	Analog and Digital Programming
Remote Sense Limits (Wired)	3% maximum voltage drop from output to load	Available for models ≤ 1000 Vdc

3.4 Accuracy Specifications

매개변수	값	조건
Voltage Programming Accuracy	± 0.075% of max rated voltage	
Over Voltage Trip Programming Accuracy	± 0.075% of max rated voltage	
Current Programming Accuracy	± 0.075% of max rated current	
Over Current Trip Programming Accuracy	± 0.075% of max rated current	
Voltage Readback Accuracy	± 0.2% of max rated voltage	
Current Readback Accuracy	± 0.2% of max rated current	

3.5 External User I/O Specifications

매개변수	값	조건
Analog Programming and Monitoring Levels	0-10 Vdc	
Analog Output Impedances	Voltage output monitoring: 100 Ω Current output monitoring: 100 Ω +10V reference: 1 Ω	
Digital Programming and Monitoring Limits	Input: 0 to 5 Vdc, 10 kΩ input impedance Output: 0 to 5 Vdc, 5 mA drive capacity	

3.6 Physical Specifications

매개변수	값	조건
Racking Standard	EIA-310	
Rear Support Rails	Included	
Size and Weight	1U 1.75" H x 19" W x 24" D (4.4 x 48.3 x 61.0 cm) 32 lbs (14.52 kg)	1.5 kW Models
Size and Weight	1U 1.75" H x 19" W x 24" D (4.4 x 48.3 x 61.0 cm) 34 lbs (15.42 kg)	2.6 kW Models
Size and Weight	1U 1.75" H x 19" W x 24" D (4.4 x 48.3 x 61.0 cm) 35 lbs (15.88 kg)	4 kW Models
Size and Weight	1U 1.75" H x 19" W x 24" D (4.4 x 48.3 x 61.0 cm) 35 lbs (15.88 kg)	6 kW Models
Size and Weight	1U 1.75" H x 19" W x 24" D (4.4 x 48.3 x 61.0 cm) 36 lbs (16.33 kg)	8 kW Models
Size and Weight	1U 1.75" H x 19" W x 24" D (4.4 x 48.3 x 61.0 cm) 37 lbs (16.78 kg)	10 kW Models

3.7 Environmental Specifications

매개변수	값	조건
Ambient Operating Temperature	-25°C to 50°C	
Storage Temperature	-40°C to +85°C	
Humidity	Relative humidity up to 95% non-condensing	
Temperature Coefficient	0.04%/°C of maximum output voltage 0.06%/°C of maximum output current	
Air Flow	Side air inlet, rear exhaust	

3.8 Regulatory Specifications

매개변수	값	조건
EMC	Complies with 2014/30/EU (EMC Directive) CISPR 22 / EN 55022 Class A	
Safety	NRTL Listed, Nemko Certificate NA202512380 CSA C22.2 No. 61010-1:12; A1:2018 UL 61010-1:Ed.3,2012(R2019)	
CE Mark	Yes	
RoHS Compliant	Yes	

4 모델 주문 가이드

SL 800-10/208+HS+LXI

Product Series

Max Voltage

Max Current

Front Panel Type
(Empty): Standard
C: Blank
Note: Computer control and 37-pin isolated I/O included with all front panel types

Input Voltage
UI: 85 - 265 1Φ (1.5 kW Models)
UI2: 187 - 265 1Φ (2.6 kW Models)
208: 208 Vac 3Φ
240: 240 Vac 3Φ
380: 380/400 Vac 3Φ
415: 415 Vac 3Φ
440: 440 Vac 3Φ
480: 480 Vac 3Φ

Option Codes

5 모델

Max Voltage Vdc	1.5 kW	2.6 kW	4 kW	6 kW	8 kW	10 kW	Ripple mVrms	Efficiency
			Max Current Adc					
5	250	—	—	—	—	—	30	84%
10	150	250	—	—	—	—	30	89%
16	93	162	250	—	—	—	40	89%
20	75	130	200	250	—	—	40	90%
25	60	104	160	240	—	—	50	91%
32	46	81	125	186	250	—	60	91%
40	37	65	100	150	200	250	80	91%
50	30	52	80	120	160	200	70	92%
60	25	43	66	100	133	166	100	93%
80	18	32	50	75	100	125	120	93%
100	15	26	40	60	80	100	120	93%
125	12	20	32	48	64	80	110	93%
160	9	16	25	36	50	60	110	93%
200	7.5	13	20	30	40	50	110	94%
250	6	10.4	16	24	32	40	110	94%
300	5	8.6	13.2	20	26.4	33.3	120	94%
375	4	6.9	10.4	16	21.3	26.5	120	94%
400	3.7	6.5	10	15	20	25	170	95%
500	3	5.2	8	12	16	20	250	95%
600	2.5	4.3	6.4	10	13.3	16.5	250	95%
800	1.8	3.2	5	7.5	10	12.5	250	95%
1000	1.5	2.6	4	6	8	10	400	95%
1250	1.2	2	3.2	4.8	6.4	8	700	95%
1500	1	1.7	2.6	4	5.3	6.6	1000	95%

AC Input Voltage Vac	Input Current Per Phase Aac					
UI (85-265 Vac, 1Φ)	21 - 7	—	—	—	—	—
UI2 (187-265 Vac, 1Φ)	—	16 - 12	—	—	—	—
208/240 Vac, 3Φ	6	11	16	24	32	39
380/415 Vac, 3Φ	5	8	11	16	19	22
440/480 Vac, 3Φ	4	6	9	14	17	19

6 기능

Fast, accurate power delivery with controls and options tailored to your needs

비교할 수 없는 1U 전력과 성능

까다로운 시스템을 위한 깨끗하고 정밀한 출력과 빠른 응답.



SL Series 전원공급장치는 빠른 과도 응답, 고정밀 프로그래밍 및 측정, 12비트 분해능, 낮은 출력 리플을 제공하며, 최대 95%의 효율을 갖춘 업계 최고 수준의 1U 패키지에 모두 담겨 있습니다. 정전압 또는 정전류 동작과 자동 크로스오버 기능을 갖추어, 부하 스텝 후 신속하게 안정화되며(부하 과도 회복 시간은 수 밀리초 수준), 전압 및 전류 프로그래밍 정확도가 풀스케일 대비 최대 ±0.075%로 목표값에 정밀하게 유지됩니다. 이는 동적 특성과 정확도가 모두 중요한 정밀 시험, 번인 및 공정 응용 분야에 이상적입니다.

통합 옵션으로 주문 시 구성

풍부한 표준 기능, 필요 시 확장 가능.

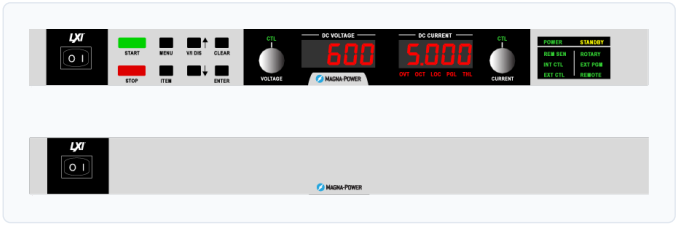


SL Series starts with a strong base: SCPI over RS232, isolated 37-pin user I/O, LabVIEW and IVI drivers, and Remote Interface Software included. When applications demand more, fully integrated options tailor performance, connectivity, and mechanics—without external boxes or ad-hoc wiring.

- Standard SCPI computer controls, RS232, isolated 37-pin analog/digital I/O, LabVIEW & IVI drivers, RIS software.
- High Slew Rate Output (+HS) for higher bandwidth and faster programmed rise times.
- Connectivity options LXI TCP/IP Ethernet (+LXI) and IEEE-488 GPIB (+GPIB).
- Ruggedized (+RUG) for MIL-STD shock & vibration

블랭크 패널 옵션을 갖춘 무단계 전면 패널 제어

필요한 곳에서는 직접 제어, 불필요한 곳에서는 깔끔하게 숨김.

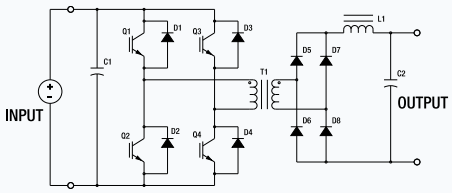


표준 SL 전면 패널은 로터리 및 키 기반 제어, 밝은 디지털 계측, 명확한 상태 표시기를 제공하여 운영자가 설정값을 구성하고, 전원 공급 장치를 시작 및 정지하며, 시스템 상태를 한눈에 확인할 수 있습니다. OEM 및 생산 장비의 경우, 옵션인 블랭크(C-버전) 전면 패널은 로컬 제어 기능을 완전히 제거하면서도 통신 인터페이스와 후면 37핀 사용자 I/O를 통한 완전한 제어를 유지하여 시스템을 안전하고 깔끔하게, 그리고 운영자의 오조작으로부터 보호합니다.

Rugged by design: safety + reliability, as you'd expect from Magna-Power.

신뢰성 높은 전류 공급형 전력 처리

견고한 설계: 가동 시간을 위한 자체 보호 토폴로지.



The SLx Series uses a high-frequency, current-fed architecture that adds a control stage beyond conventional voltage-fed designs. This topology inherently limits fault energy—avoiding fast-rising current spikes and magnetic core saturation so the supply self-protects and your load stays safe. Paired with state-of-the-art SiC power semiconductors, SLx delivers class-leading power density, efficiency, and reliability, including continuous full-power operation up to 50°C ambient.

- Current-fed architecture with an added control stage vs. voltage-fed.
- Inherent surge immunity—no current spikes or core saturation.
- Self-protecting behavior under fault conditions.
- SiC devices for high density and efficiency; full power to 50°C.

안전 기능 및 인터록

소프트 스타트, 프로그래밍 가능한 보호 기능, 그리고 진정한 안전을 위한 기계식 라인 차단 장치.



MagnaDC supplies start gently and watch continuously. A soft-start stage keeps inrush below steady-state draw, while built-in diagnostics monitor line, thermal, and control conditions. In standby or on a diagnostic fault, an embedded AC contactor mechanically disconnects the mains, assuring the unit only processes power when intended. Faults are shown on the front-panel status display, through 5V digital outputs, and are queryable via SCPI.

- Programmable trips: Over voltage (OVT) and over current (OCT)/
- Control integrity: Program-line over-voltage detection.
- Thermal protection: Over temperature on internal heatsinks.
- Interlock/E-stop fault monitoring as a standard diagnostic.
- Field integration: 5V interlock input (with 5V reference) for a dry-contact, latching inhibit with control power maintained.

From lab scripts to factory PLCs, flexible programming & integration.

간편한 소프트웨어 통합

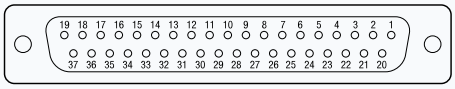
직관적인 명령어, 빠른 결과—모든 프로그래밍 언어와 호환됩니다.

MagnaDC 전원공급장치는 소켓 통신을 통해 전송되는 ASCII 기반 명령어인 네이티브 SCPI를 갖춘 명확한 텍스트 기반 API를 제공합니다. 40개 이상의 잘 문서화된 명령어가 시작/정지, 전압 및 전류 설정값, 고정밀 측정, 전체 구성을 지원하여 스크립트와 시스템을 개념 검증 단계에서 양산까지 신속하게 전환할 수 있습니다.

- 일관된 동작을 제공하는 SCPI 명령어 세트.
- 시작/정지 및 보호 기능: 출력 활성화, 트립 한계 설정, 상태 조회.
- 고정밀 측정: 전압, 전류, 전력 및 센스 피드백.
- 개발자 중심의 문서 및 예제 제공.

PLC 제어 또는 PHIL 시뮬레이션을 위한 외부 User I/O

I/O 모듈처럼 배선하세요—추가 절연이 필요 없습니다.



Via the included rear 37-pin User I/O connector, MagnaDC supplies can be fully driven and monitored by external signals or a PLC. Voltage, current, OVT, and OCT set points are programmed with 0–10 V analog inputs, while each diagnostic condition has its own +5V digital status pin. Built-in +2.5V, +5V, and +10V reference rails let you use dry contacts without adding external supplies. All I/O is isolated from the output and referenced to earth ground as standard.

- 0–10 V analog programming for V, I, OVT, and OCT.
- Per-fault digital outputs: each diagnostic has its own +5V pin.
- Isolated user I/O referenced to earth ground—no extra isolators.
- With High Slew Rate Output (+HS), high-bandwidth response and fast rise times support HIL/PHIL simulation applications.

고성능 마스터-슬레이브 운전

성능 저하 없이 전압 또는 전류를 확장하십시오.

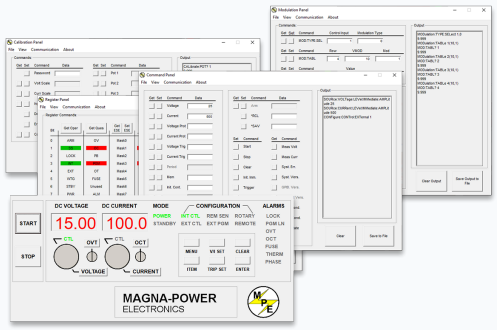


All MagnaDC supplies support master-slave operation, using gate-drive signals from the master when configured for parallel, so the whole stack behaves like a single supply—with one control loop and no noisy long analog references. The optional UID47 accessory simplifies wiring for series or parallel sets with near-equal sharing.

- Single control loop parallel operation: Master gate-drive to slaves for consistent dynamics.
- Plug & play with the UID47, enabling parallel or series stacks with current/voltage sharing.
- Series up to the DC isolation rating without added hardware.
- No additional ORing diodes required for parallel operation.

Magna-Power 소프트웨어, LabVIEW 및 IVI 드라이버

가상 전면 패널부터 완전 자동화까지—즉시 사용 가능합니다.



모든 MagnaDC 전원공급장치에는 IVI 드라이버와 NI LabVIEW 드라이버가 포함되어 있으며, 전체 VI 세트와 예제 프로그램이 함께 제공되어 몇 분 만에 하드웨어와 통신을 시작할 수 있습니다. PC에서 전면 패널 방식의 직접 제어를 위해, Magna-Power의 Remote Interface Software는 명령 및 레지스터부터 캘리브레이션 및 펌웨어까지 전원공급장치에 대한 풍부한 정보를 제공합니다.

- 전체 VI 세트가 포함된 IVI 및 NI LabVIEW 드라이버 제공.
- 통합 및 테스트를 신속하게 시작할 수 있는 예제 프로그램.
- 다음 기능을 갖춘 Remote Interface Software:
  - 수동 제어를 위한 가상 전면 패널
  - 명령 탐색 및 전송을 위한 명령 패널
  - 실시간 상태 모니터링을 위한 레지스터 패널
  - 내부 디지털 포텐셔미터용 캘리브레이션 패널
  - 현장 업그레이드를 위한 펌웨어 패널
  - 비선형 프로파일 에뮬레이션을 위한 모듈레이션 패널
- 일관된 프로그래밍 경험을 위해 모든 통신 인터페이스가 소프트웨어 및 드라이버 전반에서 지원됩니다.

State-of-the-art USA manufacturing with worldwide support

미국 제조

완벽한 품질 관리를 위한 수직 통합 제조.

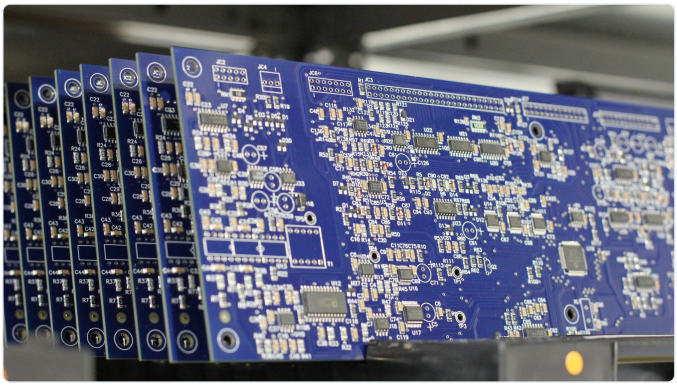


Magna-Power 제품은 뉴저지주 플레밍턴에 위치한 73,500 sq-ft 규모의 본사에서 설계, 제작, 테스트 및 서비스됩니다. 금속 가공, 자성 부품, PCB 조립, 번인 테스트까지 모두 자체적으로 수행하여 품질, 비용, 납기를 철저히 관리합니다.

- 미국 제조: 엔지니어링, 제조, 서비스를 한 지붕 아래에서.
- 자체 생산: 금속 가공, 자성 부품, SMT PCB, 표면 처리.
- 검증된 신뢰성: 모든 제품을 완벽하게 테스트, 교정, 번인 실시.

전 세계 서비스 및 OEM 부품 지원

공장 전문성, 현지 대응.

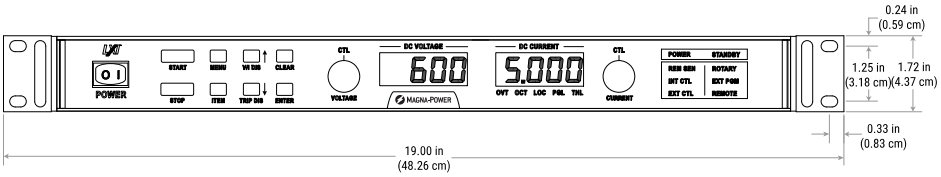


Magna-Power는 북미, 유럽, 영국, 아시아태평양, 동아시아, 남미 전역의 공장 및 공인 서비스 센터를 통해 자사 제품을 지원하며, 보증 기간 내외를 불문하고 공장 절차와 정품 부품을 사용하여 장비를 원래 사양으로 복원합니다.

- 글로벌 커버리지: 뉴저지 본사 및 지역 공인 서비스 센터.
- 일관된 수리: 공장 진단, 작업 지침서 및 시스템 다이어그램.
- 정품 OEM 부품: 검증된 교체 어셈블리로 예측 가능하고 다운타임이 적은 서비스 제공.

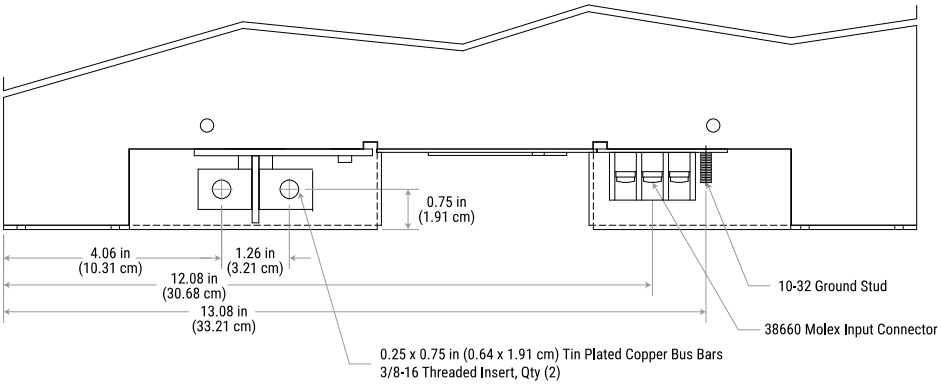
7 다이어그램

Front Panel

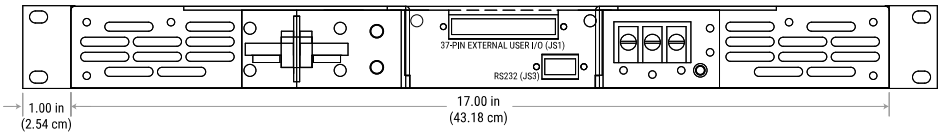


Top Panel

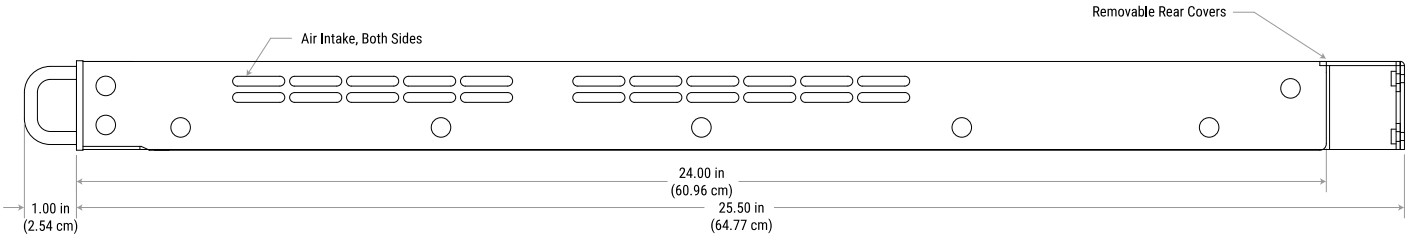
Rear Side



Rear Panel

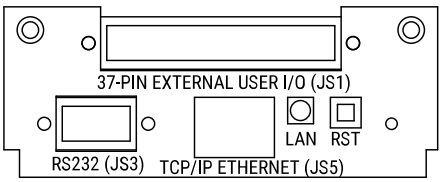


Side Panel



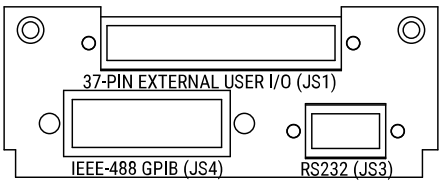
Communications Interface

LXI TCP/IP Ethernet Option (+LXI)



Communications Interface

IEEE-488 GPIB Option (+GPIB)



8 가능한 통합 옵션

+HS High Slew Rate Output

표준 출력 단을 저 커패시턴스 필름 및/또는 고 RMS 전류 정격 알루미늄 전해 콘덴서로 교체하는 하드웨어 및 제어 수정 옵션입니다. 이 옵션은 더 빠른 출력 상승 및 하강 시간으로 더 높은 대역폭을 제공합니다.

The high slew rate option solves several limitations inherent in switching power supply design. Rapid voltage transitions require internal electronics to supply the energy to charge and discharge output capacitors. Peak currents internal to the power supply define slew rate; utilizing less capacitance enables voltage transitions in shorter time periods. Additionally, less capacitance reduces requirements for discharge demands during open circuit conditions.

The standard output stage Magna-Power Electronics power supplies has been designed to provide the lowest possible output ripple voltage within the constraints of available components, size, and cost. Part of the output stage consists of a bank of aluminum electrolytic capacitors which has the desired electrical properties to provide this function. These components require bleed resistors to discharge any voltage when the power supply has no load and is disabled. While the presence of these components and the resulting performance are normally industry accepted, there are applications where lower output capacitance and lower loss bleed resistors are extremely desirable and higher ripple voltage is acceptable. To meet this need, a high-slew rate option is available which has an output stage consisting of low capacitance film and aluminum electrolytic capacitors and lower loss bleed resistors. Applications for the high-slew rate option include battery charging, photovoltaic emulation, power waveform generation, and medium speed power pulsing. These applications all benefit from higher bandwidth and in many cases, can tolerate increased ripple voltage.

Key Applications

For **battery charger applications**, output capacitance and internal bleed resistors present themselves as a load to the connecting batteries. One common practice is to use a series diode to block reverse current flow with the sacrifice of increased cost and lower efficiency. The high slew rate option, with its lower output capacitance and lower loss bleed resistors, enables direct connection to batteries without series blocking diodes.

For **photovoltaic emulation applications**, higher bandwidth and lower output capacitance enable improved performance with higher speed, maximum power tracker algorithms. Maximum power tracker circuitry deviates the operating point of photovoltaic arrays to determine maximum power output. Slow responding emulation sources can present a problem when the speed of the algorithm exceeds that of the source. Furthermore, with lower output capacitance, changes in the operating point and transients, caused by shorting the solar inverter input, produce lower unwanted input currents.

The high-slew rate option enables the power supply to operate as a **low frequency, power pulse generator**. With the special capacitors selected for this option, it is possible to superimpose waveforms or produce a medium speed pulse on top of the dc output and expect normal capacitor life. It is important to note that the power supply output is single quadrant; that is, the output voltage or current cannot reverse.

Specifications

SL Series Output Stage Ratings with the High Slew Rate Output Option Integrated

Voltage Maximum Rating (Vdc)	Output Capacitance (uF)	Output Voltage Ripple (Vrms)
5	4235	0.5
10	1740	0.6
16	1740	0.6
20	775	0.6
25	775	0.8
32	775	0.8
40	760	1.5
50	760	1.5
60	760	2.0
80	110	1.5
100	110	1.6
125	70	1.7
160	70	1.8
200	70	1.8
250	70	1.8
300	70	1.8
375	70	1.8
400	70	1.8
500	40	2.0
600	40	2.2
800	30	2.5
1000	30	3.4
1250	—	3.4
1500	—	4.0

XR Series Output Stage Ratings with the High Slew Rate Output Option Integrated

Voltage Maximum Rating (Vdc)	Output Capacitance (uF)	Output Voltage Ripple (Vrms)
5	13200	1.5
10	4080	1.6
16	4080	1.7
20	2340	1.8
25	1170	1.8
32	1170	1.8
40	240	1.8
50	240	1.8
60	240	2.0
80	240	2.2
100	160	2.5
125	160	3.0
160	160	2.8
200	160	4.0
250	160	1.6
300	160	1.8
375	160	1.8
400	160	1.8
500	56	3.0
600	56	3.0
800	52	3.0
1000	52	3.0

Voltage Maximum Rating (Vdc)	Output Capacitance (uF)	Output Voltage Ripple (Vrms)
1250	18	3.5
1500	18	3.5
2000	18	5.0
3000-10000	—	—

TS Series Output Stage Ratings with the High Slew Rate Output Option Integrated

Voltage Maximum Rating (Vdc)	Output Capacitance (uF)	Output Voltage Ripple (Vrms)
5	13200	0.5
8	9000	0.5
10	9000	0.5
16	4080	0.5
20	2340	0.8
25	2340	0.8
32	1170	0.8
40	1170	0.8
50	1170	0.8
60	300	1.2
80	300	1.2
100	200	1.6
125	200	1.6
160	200	1.6
200	200	2.0
250	200	2.0
300	200	2.2
375	200	2.2
400	200	2.4
500	200	2.7
600	120	2.6
800	70	2.6
1000	60	3.5
1250	18	3.5
1500	18	4.3
2000	18	3.8
3000	9	7.2
4000	9	4.0

Note:
For 20 to 30 kW models, multiply capacitance by 2
For 40, 50, 75, and 100 kW models, contact Magna-Power support

For MT Series and ML Series output stage ratings with the high slew rate output option, please inquire with your local sales partner regarding the specific model.

+GPIB IEEE-488 GPIB

완전한 명령 지원 및 다른 GPIB 장치와의 호환성을 제공하는 IEEE-488 범용 인터페이스 버스(GPIB) 통신 인터페이스

The IEEE-488 interface, sometimes called the General Purpose Interface Bus (GPIB), is a general purpose digital interface system that can be used to transfer data between two or more devices. It is particularly well-suited for interconnecting computers and instruments. Some of its key features are:

- Up to 15 devices may be connected to one bus
- Total bus length may be up to 20 m and the distance between devices may be up to 2 m
- Communication is digital and messages are sent one byte (8 bits) at a time
- Message transactions are hardware handshaked
- Data rates may be up to 1 Mbyte/sec

The IEEE-488 GPIB interface in integrated with the power supply's rear communication ports. The IEEE 488 interface offers full compatibility with Magna-Power provided drivers, software and SCPI command set.

+LXI LXI TCP/IP Ethernet

소켓 통신을 위한 TCP/IP 이더넷 통신 프로토콜 및 단일 RJ-45 인터페이스로, LXI Class C 표준 인증을 받아 기존 컴퓨터 네트워크를 통한 통신을 지원합니다

Certified to the LXI Standard (Class C), version 1.4, this option allows the product to be fully controlled over an integrated TCP/IP Ethernet interface. LXI is an instrumentation platform based on industry standard Ethernet technology designed to provide modularity, flexibility, and performance to small- and medium-sized systems. All of the product's standard SCPI commands are supported over the +LXI option, along with all provided software and drivers.

LXI's advantages are exemplified in its compact, flexible package providing high-speed I/O and reliable measurements. The Magna-Power Electronics LXI TCP/IP Ethernet option includes an embedded web-server, allowing web browser power supply control and monitoring from virtually anywhere.

Note: For xGen products, only the SCPI command protocol is available when LXI TCP/IP Ethernet interface is installed. Modbus communication protocol is not available through any interface when the LXI TCP/IP Ethernet interface is installed.

+RUG Ruggedized

독립적으로 테스트되어 특정 MIL-STD-810G 및 RTCA DO-160 충격 및 진동 규격을 준수하는 내부 제품 내구성 강화 처리입니다.

The Ruggedized Option (+RUG) provides additional mechanical security for large power components and sub-assemblies within SLx Series, SL Series, and XR Series products.

SLx Series, SL Series, and XR Series units with the Ruggedized Option have been independently tested to comply with the following MIL-STD-810G shock and vibration specifications:

- MIL-STD-810G CHG1 Method 516.7 Functional Shock, Procedure I; which subjects the product to 40G, 11 ms terminal saw tooth pulse; three shocks in each direction along three mutually perpendicular axes
- MIL-STD-810G CHG1 Method 514.7 Vibration; which subjects the product to two hours of vibration per axis along three mutually perpendicular axes

In addition to the specifications listed above, the air cooled SLx Series products with the Ruggedized Option have also been independently tested to comply with RTCA/DO-160G Section 8.0 Vibration, Profile B4 with its associated total energy of 2.2 G_{rms} for equipment installed in Fixed Wing aircrafts with Turbojet or Turbofan engines.

With the Ruggedized Option, SL Series and XR Series products maintain ambient operating temperatures from -25°C to 50°C,

while SLx Series products maintain ambient operating temperatures from 0ºC to 50ºC. Storage temperature for all products is rated from -40°C to +85°C.

9 제품 이미지









Qty (30) 2.6 kW SL Series units packaged into Qty (2) CAB2, with enclosure panels removed [Angled]



SL Series power supply with the C Version front panel.



Qty (39) 6 kW SL Series units packaged into Qty (2) CAB2 [Left] and Qty (1) CAB1 [Right]



Qty (30) 2.6 kW SL Series units packaged into Qty (2) CAB2, with enclosure panels removed [Front]



Qty (30) 2.6 kW SL Series units packaged into Qty (2) CAB2, with enclosure panels removed [Rear]

10 다운로드

https://magna-power.com/ko/products/magnadc/sl#downloads

11 문의

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